

Model PX-TV402U

MPEG-1/2/4 AND DivX® PERSONAL VIDEO RECORDER USB 2.0 INTERFACE CONTAINS BUILT-IN TV TUNER

INSTALLATION AND USERS MANUAL



AUGUST 2004

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DECLARATION OF CONFORMITY

Model Number: PX-TV402U Trade Name: PLEXTOR

Responsible Party: PLEXTOR Corp.

Address: 48383 Fremont Blvd. Suite 120, Fremont, CA 94538-6509, USA

Telephone Number: 510-440-2000

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FEDERAL COMMUNICATIONS COMMISSION STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADIAN DEPARTMENT OF COMMUNICATIONS STATEMENT

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.



Table of Contents

1. Getting Started	1
About this Manual	
Meet Your ConvertX PVR	1
What You Can Do with the ConvertX PVR	
Features of the Plextor ConvertX PVR	2
What You Need to Use the ConvertX PVR	
What's in the Box	
ConvertX PVR Features and Controls	5
Front Panel	5
Rear Panel	6
A Word about Compression	7
Precautions	8
2. Installing Your ConvertX PVR	9
Installing the ConvertX PVR	9
Install the ConvertX PVR Device Driver	9
Install Other ConvertX PVR Drivers	
Turn the ConvertX PVR On and Off	16
Don't Forget to Register!	
If the Installation Failed	
Make Sure the ConvertX PVR Is Recognized	
Troubleshoot Other Devices	18
Making Connections	
Connect Antenna or Cable	18
Connect a Set-Top Box or Other Video Input	
3. Viewing and Capturing TV Programs with WinDVR	
Installing the WinDVR 5 Software	
Launching WinDVR	
Using the Main WinDVR Controls	
The WinDVR Subpanels	
Choosing Your Setup	
If You Have a Direct-Connected TV Antenna or Cable	
Step 1: Make the Connections	
Step 2: Set Up the Channels	
Step 3: Use WinDVR to Change Channels	
Save a List of Favorite Channels	30

If You Have a Set-Top Box	
Step 1: Make the Connections	. 31
Step 2: Changing Channels with a Set-Top Box	. 35
About IR Blasters	
Hints If You Don't See and Hear a TV Display	. 36
Pausing While Viewing	. 36
Recording Programs.	. 38
Record Manually	. 38
Schedule a Recording	. 39
Playing a Recorded Video	. 40
EPG Recording	. 41
Register for the EPG	. 41
View the EPG	. 41
Set the PVR Device Preferences for Channel 3 or 4	. 42
Set Up an EPG Recording.	. 42
WinDVR 5: Next Steps	. 43
Installing the WinDVD Creator 2 Software	. 45
Starting Up	. 46
Understanding the Task Window	
Overview of Creating a Personalized CD or DVD Disc	. 48
Capturing	. 50
Capture Video	. 51
Editing	. 54
Adjust a Video Clip	. 56
Add and Adjust a Transition	
Aud and Aujust a Transmon	. 57
Add Titles, Audio Effects, and Media Content	
	. 58
Add Titles, Audio Effects, and Media Content	. 58 . 58
Add Titles, Audio Effects, and Media Content Preview Your Project	. 58 . 58 . 58
Add Titles, Audio Effects, and Media Content	. 58 . 58 . 58 . 58
Add Titles, Audio Effects, and Media Content Preview Your Project View File Properties Save Your Project	. 58 . 58 . 58 . 58 . 59
Add Titles, Audio Effects, and Media Content Preview Your Project View File Properties Save Your Project Creating	. 58 . 58 . 58 . 58 . 59
Add Titles, Audio Effects, and Media Content Preview Your Project View File Properties Save Your Project Creating Delete a Chapter Mark Add a Chapter Mark	. 58 . 58 . 58 . 58 . 59 . 61 . 61
Add Titles, Audio Effects, and Media Content Preview Your Project View File Properties Save Your Project Creating Delete a Chapter Mark	. 58 . 58 . 58 . 59 . 61 . 61
Add Titles, Audio Effects, and Media Content Preview Your Project View File Properties Save Your Project Creating Delete a Chapter Mark Add a Chapter Mark Edit a Menu Theme	. 58 . 58 . 58 . 59 . 61 . 61 . 62
Add Titles, Audio Effects, and Media Content Preview Your Project View File Properties Save Your Project Creating Delete a Chapter Mark Add a Chapter Mark Edit a Menu Theme Sharing	. 58 . 58 . 58 . 59 . 61 . 61 . 62 . 63
	Step 2: Changing Channels with a Set-Top Box About IR Blasters. Hints If You Don't See and Hear a TV Display Pausing While Viewing Recording Programs. Record Manually. Schedule a Recording. Playing a Recorded Video. EPG Recording Register for the EPG. View the EPG Set the PVR Device Preferences for Channel 3 or 4. Set Up an EPG Recording. WinDVR 5: Next Steps. Capturing and Editing Video with WinDVD Creator. Installing the WinDVD Creator 2 Software. Starting Up. Understanding the Task Window. Overview of Creating a Personalized CD or DVD Disc. Capturing. Capture Video. Editing. Adjust a Video Clip.

Disc Manager	66
Capture Directly to a DVD Disc	
WinDVD Creator 2: Next Steps	
5. Maintenance and Troubleshooting	
Upgrading Your ConvertX PVR	
Troubleshooting Hints	72
Problems with Installation	
Problems with Viewing	72
Problems with Capture	
Appendix A: Specifications	
Appendix B: Technical Support	
How to Contact Plextor Technical Support	80
Before You E-mail/Log On/FAX/Call	
Returns	
Contacting Plextor's RMA Department	81
Packing Your ConvertX PVR	82
Shipping Your ConvertX PVR to Plextor	
Appendix C: Warranty	83
If You're Outside the U.S. or Canada	
Index	85



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1. Getting Started

Congratulations! Thank you for purchasing the Plextor® ConvertX PVR[™] PX-TV402U Personal Video Recorder. We appreciate the confidence you have shown in us. Our goal is to put you—and keep you—on the leading edge of video technology.

About this Manual

Please read this manual carefully and keep it handy for easy reference. Use the manual for installation, operation and troubleshooting. If your ConvertX PVR needs service, see your dealer or call Plextor's Technical Support Department. (See "Appendix B: Technical Support" for the different ways you can reach us.)

Meet Your ConvertX PVR

The Plextor ConvertX PVR is a high-quality personal video recorder that takes a television signal from an antenna, cable, or satellite dish, as well as video from a camcorder, VCR, or DVD player, and compresses that video into DivX[®], MPEG-4, MPEG-2/DVD or MPEG-1/VCD formatted video

What You Can Do with the ConvertX PVR

Uncompressed full-motion video takes as much as one gigabyte of storage space per minute of video. But with your ConvertX PVR, you can compress that video so that an entire movie fits onto a DVD—or even a CD!

The ConvertX PVR PX-TV402U Personal Video Recorder and the bundled InterVideo[®] WinDVR 5 and WinDVD Creator[™] 2 software let you:

- Watch, pause and record live TV
- Schedule shows to record when you are away
- Capture video from camcorders, VCRs and DVD players
- Edit videos and then author and burn interactive DVDs
- Direct record video onto recordable DVD discs

Your ConvertX PVR Personal Video Recorder hardware compresses video into four popular formats: MPEG-1/VCD, MPEG-2/DVD, MPEG-4, and DivX® video. To use the ConvertX PVR for TV viewing and recording, use the supplied InterVideo WinDVR software. To edit home movies and author DVDs, use the supplied InterVideo WinDVD Creator software. Everything you need for quality digital production is here—just what you'd expect from Plextor.

Features of the Plextor ConvertX PVR

- Built-in TV tuner: Works with broadcast, analog cable, digital cable or satellite TV service, and lets you watch TV on your computer.
- Select from popular recording formats: Performs real-time conversion of video during capture to the DivX, MPEG-4, MPEG-2/DVD and MPEG-1/VCD formats.
- Official DivX Certified[™] product: Certified by DivX Networks as producing files capable of being read in any other DivX Certified player.
- *High-quality hardware encoder*: Uses a high-quality video encoder to make sure you can record your video without losing quality.
- Bundled InterVideo WinDVR 5 software: Feature-rich software to watch, pause and record live TV, as well as schedule unattended recordings with its built-in Electronic Programming Guide provided by TitanTV[®].

- Bundled InterVideo WinDVD Creator 2 software: For capturing and editing video, as well as authoring and burning interactive DVDs.
- Composite, S-Video and RF/coaxial inputs: Supports all these popular types of video input.
- USB connection: Uses a Hi-Speed USB 2.0 interface for video capture at high bit rates.
- Easily upgradeable: Just download the latest software from the Plextor web site and upgrade quickly.
- One year warranty: And unlimited toll-free tech support.

What You Need to Use the ConvertX PVR

What You Need:

- Computer:
 - Minimum: Pentium[®] III, 800-MHz CPU or faster.
 - Recommended: Pentium 4. 1.6-GHz CPU or faster.
 - Using WinDVR 5 in MPEG-4 mode: 2.4-GHz CPU or faster.
- **Minimum memory**: At least 256 megabytes of memory.
- Hard disk size: At least 10 gigabytes of free space recommended.
- Monitor resolution: 1024 x 768, 24 bit color.
- Video graphics card: AGP 4X (or faster) with 32 megabytes of video memory, 24-bit resolution capability and DirectX support.
- **Sound card**: Windows-compatible sound card with 48-kHz playback. (Using a plug-in PCI sound card is recommended.)
- **CD-ROM drive**: For installation.
- **USB interface**: USB 2.0 (Hi-Speed USB) required.
- Operating system: Windows XP or 2000.
- File system: FAT or NTFS.
- **DirectX 9.0b**: Provided on the accompanying Plextor CD.

Also Highly Recommended:

- **CD-RW drive**: To burn CDs, Video CDs, or MiniDVDs.
- **DVD+R/RW or DVD-R/RW drive**: To burn DVDs, CDs or Video CDs. Also needed for direct recording to DVD.
- Operating system updates: To enhance your experience, Plextor highly recommends that you update your computer's Windows operating system with the following service packs (or later service packs) and all Microsoft critical updates before you install the ConvertX PVR drivers. Suggested service packs include:
 - □ Windows 2000 Service Pack 4
 - □ Windows XP Home, XP Pro Service Pack 1 or later

What's in the Box

Check the contents of the box. You should have:

- ConvertX PVR PX-TV402U Personal Video Recorder
- AC adapter and power cord
- USB 2.0 cable
- Composite video cable
- Composite audio cable
- S-Video cable
- Plextor ConvertX PVR PX-TV402U Installation and Users Manual
- Plextor ConvertX PVR PX-TV402U QuickStart Guide
- ConvertX PVR PX-TV402U software disc with:
 - □ Plextor ConvertX PVR USB device driver
 - ☐ InterVideo® WinDVR™ 5 software
 - □ InterVideo WinDVD Creator[™] 2 software
 - □ Adobe® Reader®
 - □ PDF files of users manuals (English and French)

ConvertX PVR Features and Controls

Before proceeding, become familiar with the controls and features of your ConvertX PVR.

Front Panel



Figure 1: Front panel of the ConvertX PVR PX-TV402U Personal Video Recorder

	Connector or Indicator	Function
1	Audio	Audio connectors: Connect audio input here, using the red and white RCA cables.
2	Video	Video connector: Connect composite video here, using the yellow RCA cable.
3	S-Video	S-Video connector: Connect S-Video here, using the black S-Video cable.
4	Ready to Record	Ready to Record indicator LED: Amber when a valid video signal is being passed to the PC.
5	Power	Power LED: Blue when the AC adapter and USB cable are connected and the computer is turned on.

Rear Panel



Figure 2: Rear panel of the ConvertX PVR PX-TV402U Personal Video Recorder

	Connector	Function
1	RF/Coaxial	RF/Coaxial input connector. Connect RF input from antenna or coaxial cable here.
2	USB 2.0	USB 2.0 connector: Connect your USB cable here.
3	DC 9V	Power connector: Connect the AC adapter here. The unit has an automatic power switch. When the PC power is on, the ConvertX PVR power is also on.
		CAUTION : Use only the AC adapter shipped with your ConvertX PVR.

A Word about Compression

The ConvertX PVR, along with the WinDVR and WinDVD Creator 2 software, supports the most popular types of real-time video compression, including:

- MPEG-1, used in the Video CD (VCD) format.
- MPEG-2. used for standard DVDs.
- MPEG-4, used for archiving video on a hard disk, CD or DVD, as well as for playback on some PDAs, cell phones, DVD players and personal video players.
- **DivX**, used for sharing video on the Internet; for archiving video on a hard disk, CD or DVD; and for playback on some DVD players, PDAs, cell phones and personal video players. DivX files are playable in Windows Media Player with a DivX decoder (supplied with the PX-TV402U and also available for free at http://www.divx.com/).

The ConvertX PVR hardware encoder captures video and can compress it to any of these formats, saving valuable space on your hard disk. You can play this video and view it on your computer using the WinDVR player or software such as Microsoft Windows Media Player. You can convert captured video to other formats with WinDVD Creator, or you can use WinDVD Creator to edit your video and burn interactive DVDs.

Precautions

Like the rest of your computer system, your ConvertX PVR requires reasonable care in its installation and use

- Operate your ConvertX PVR only in a horizontal position.
- Keep the area around your ConvertX PVR clean from dust, smoke, and other contaminants. The unit is not dustproof.
- Do not allow moisture or liquids, including water or cleaning fluids, to touch the ConvertX PVR. The unit is not waterproof. Furthermore, thinner, benzene, or alcohol-based solvents can mar the surface of your ConvertX PVR.
- Do not drop or jolt the ConvertX PVR.
- Do not attempt to open the ConvertX PVR and service it yourself. Entrust service to Plextor-authorized service personnel only.

2. Installing Your ConvertX PVR

Here's how to install your ConvertX PVR Personal Video Recorder.

Installing the ConvertX PVR

Before installation, Plextor highly recommends that you get the latest updates available for your computer's operating system. Current service packs and critical updates are available from http://windowsupdate.microsoft.com.

NOTE: If you have Windows XP, make sure you install Service Pack 1 (SP1) or later, and Recommended Update for XP SP1 (KB822603). which is an update for USB 1.1 and 2.0.

Also, check for and install any software updates for your video card and sound card

Install the ConvertX PVR Device Driver

NOTE: Be sure you do this procedure to install the ConvertX PVR driver from the ConvertX PVR software disc **before** connecting the ConvertX PVR to your computer.

To install the ConvertX PVR Driver:

1. Turn ON your computer system and make sure that all applications are turned off. Do not connect the ConvertX PVR vet.

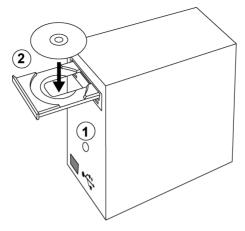


Figure 3: Turn on the computer and insert the ConvertX PVR software disc

2. Insert the ConvertX PVR software disc into your CD or DVD drive. You see the Plextor Application Installer screen. (If you don't see the installer screen right away, use Windows Explorer to navigate to the CD or DVD drive, and double-click the Plextor.exe file.)

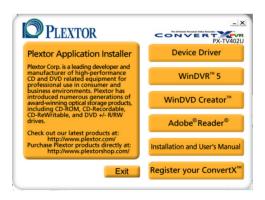


Figure 4: Plextor Application Installer screen

- 3. Select the ConvertX PVR Device Driver button. You may see a window that asks if you want to install DirectX version 9.0b. (If you don't see this window, you have the correct version of DirectX already installed. Skip to step 9 below.)
- 4. If you see the DirectX installation window, Select OK. You see a window with the Welcome to setup for DirectX and license agreement.
- 5. Click the I accept the agreement choice, and then select Next. You see the DirectX Setup window.
- 6. Select Next to start the installation. You see the installation of DirectX as it proceeds. When installation is done, you see the Restart Computer window.
- 7. Make sure all applications are closed, remove the ConvertX PVR software disc, then select Finish to restart your computer. Windows shuts down and then restarts.
- 8. After Windows restarts, re-insert the ConvertX PVR software disc into your CD or DVD drive. You see the Plextor Application Installer screen. (If you don't see the installer screen right away, use Windows Explorer to navigate to the CD or DVD drive, and doubleclick the Plextor.exe file.)

9. In the Plextor Application Installer screen, select the ConvertX PVR Device Driver button. You see the location for the installation folder where the Plextor PX-TV402U files will be unpacked.



Figure 5: Location for the installation folder

- 10. Click Finish. You see a text box asking if you want to create the folder
- 11. Click Yes. You see the License Agreement.



Figure 6: Review the license agreement

12. When you have read the entire agreement, click Next. You see the driver installation for the ConvertX PVR PX-TV402U.



Figure 7: Beginning of the driver installation

13. As directed by the driver installation, make sure your ConvertX PVR PX-TV402U is *not* connected to your computer yet. Then click Install. You see a text box indicating the Plextor ConvertX PVR PX-TV402U has been installed.



Figure 8: When the ConvertX PVR has been installed, select Finish

 Click Finish. You have successfully installed the ConvertX PVR device driver.

Install Other ConvertX PVR Drivers

IMPORTANT NOTE: In the next steps of this procedure, you will be installing more driver files on your computer. You'll see the "Found New Hardware" window more than once, and you may feel like you're seeing the same dialog over and over again. This is normal. You don't need to shut down or reboot your computer until all drivers have been installed.

1. You will use a USB cable to connect the ConvertX PVR to your computer as shown in the figure below. Begin by making sure your computer is on.

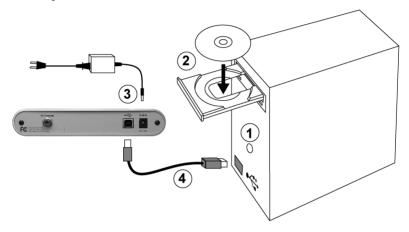


Figure 9: To install drivers, turn the computer on before attaching the ConvertX PVR

- 2. Make sure the ConvertX PVR software disc is in the computer's drive
- 3. Connect the AC adapter to an electrical outlet and to your ConvertX PVR
- 4. Connect the USB cable from your ConvertX PVR to the computer. You see the Found New Hardware Wizard

CAUTION: The ConvertX PVR should be the only device on the cable. Do not connect to a USB hub. Do not use a USB hard disk or an optical disk drive (ODD) while capturing video.

 For each new Found Hardware Wizard, select Next to install the drivers, then select Finish for each Completing the Found New Hardware Wizard window.

The drivers are installed automatically. When all drivers are installed, your ConvertX PVR is automatically recognized by the computer and you see a message that your new hardware is installed and ready to use. (If you are asked to reboot, remove the ConvertX PVR software disc from the drive and restart your computer.)

Turn the ConvertX PVR On and Off

Note that there's no power switch on the ConvertX PVR. When the computer power is on, the ConvertX PVR is on, as shown by the Power indicator. When the computer power is off, the ConvertX PVR is off.

Don't Forget to Register!

Don't forget to register your ConvertX PVR! In the Plextor Application Installer, select Register Your ConvertX PVR and follow the prompts. Registration means you'll stay abreast of valuable information about new features, updated drivers, and more.

If the Installation Failed

If the ConvertX PVR installation failed, check for these causes:

- Make sure you are using Windows 2000 or Windows XP. The ConvertX PVR won't work with Windows 95, 98, 98SE, or Windows Me. You need to upgrade your computer's operating system to Windows 2000 or Windows XP.
- Launch the installation manually: If you have to launch the installation manually, look on the Plextor CD and double-click the Plextor.exe file.
- Make sure the ConvertX PVR is recognized. See "Make Sure the ConvertX PVR Is Recognized" below.
- **Troubleshoot other devices**. (See "Troubleshoot Other Devices" on page 18.

Make Sure the ConvertX PVR Is Recognized

After installation, you may want to make sure the ConvertX PVR is recognized by your computer. To check whether it is recognized:

To see if the ConvertX PVR is recognized in Windows:

- 1. In Windows XP or 2000, go to Start | Settings | Control Panel.
- 2. In Control Panel, double-click the System icon. You see the System Properties window.
- 3. In System Properties, click the Hardware tab, then click on the Device Manager button. You see the Device Manager.
- 4. Locate the icon for Sound, video and game controllers, and click the + sign next to it to expand the entry list.
- 5. Look for an entry for Plextor ConvertX PVR TV402U A/V Capture. If you see this entry, your ConvertX PVR is installed and you can exit Device Manager and Control Panel. You're ready to go.

NOTE: You won't see the Plextor ConvertX PVR A/V Capture icon unless the ConvertX PVR is connected to your PC.

- 6. If Sound, video and game controllers are listed and do not have a vellow diamond with an exclamation point, but you do not see the Plextor ConvertX PVR icon listed among the devices, contact our Technical Support group at 1-800-886-3935, or e-mail us at techsupport@plextor.com for help troubleshooting.
- 7. If the ConvertX PVR does not operate even though 1) the sound, audio and game controllers are listed and do not have a vellow diamond with an exclamation point, and 2) the Plextor ConvertX PVR device is listed, in Device Manager double-click the Plextor ConvertX PVR device and then select the Remove button. Then restart your computer. The computer will automatically perform another hardware scan and this time it should correctly install the ConvertX PVR Personal Video Recorder.

Troubleshoot Other Devices

- In the Device Manager, if any of your entries for Other devices have a vellow diamond with an exclamation point (!), troubleshoot your Plextor ConvertX PVR device for compatibility problems or other conflicts. It may just be a matter of obtaining the latest USB driver or Windows 2000 or Windows XP Service Pack from Microsoft's Windows Update.
- To update the PX-TV402U driver, right-click on the question mark and select Properties, then select the Driver tab and click Update driver. Look for the device driver on the Plextor CD.

Making Connections

This section shows how to connect your ConvertX PVR to a TV signal input.

Connect Antenna or Cable

If you have a TV antenna or analog cable line that connects directly to your TV without using a set-top box, connect the line directly to the RF/Coaxial input connector of the PX-TV402U.

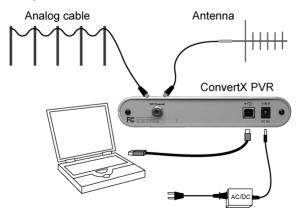


Figure 10: Connecting a TV antenna or analog cable input

Connect a Set-Top Box or Other Video Input

If your TV set is normally connected to a set-top box (from analog cable, digital cable, or a satellite dish), the box will often supply a composite or S-video analog video source. In this case, you can connect it to the ConvertX PVR front-panel input connectors as shown in Figure 11. In addition, you can connect other sources, such as a VCR or camcorder, that supplies composite video or S-video.

NOTE: If your set-top box has **only** RF/coaxial output, connect it to the RF/Coaxial connector at the rear of the ConvertX PVR as in Figure 10. Your video quality will not be as high as S-video or composite video, so use this option only if no other connection method is possible.

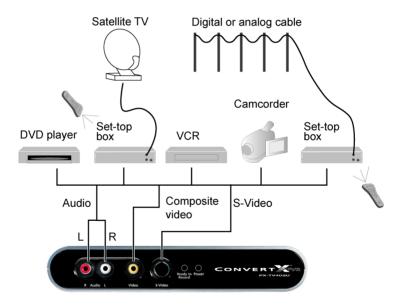


Figure 11: For higher-quality video, connect S-video or composite video

- For S-Video: Use the black S-Video cable to connect from the S-Video connector at the source to the front-panel S-Video connector on the ConvertX PVR. S-Video provides the highest quality video. -or-
- For composite video: Use the vellow video cable to connect the Line Out or Video Out connector from the source to the front-panel Video connector of the ConvertX PVR. Composite video gives better quality than a TV signal delivered through the RF/Coaxial input connector, but not as good as S-Video.
- For composite audio: Use the red and white RCA audio cables to connect the Line Out or Audio Out connectors from the source to the front-panel Audio connectors of the ConvertX PVR. You use composite audio to provide sound with either S-Video or composite video

For more information about connections, see the next chapter.

3. Viewing and Capturing TV Programs with WinDVR

InterVideo's WinDVR 5 is a simple-to-use software application that lets you watch, pause and record live TV. You can also schedule and record programs when you are away by either manually setting up a time to record, or by using WinDVR's integrated electronic program guide (EPG) provided by TitanTV.

Installing the WinDVR 5 Software

To install the WinDVR 5 software:

- 1. Turn ON your computer system.
- 2. Make sure that all applications are turned off.
- 3. Insert the ConvertX PVR software disc into your CD or DVD drive. You see the Plextor Application Installer screen.
- 4. Select the WinDVR button. You see the WinDVR Setup screen.
- 5. Click Next. You see the License Agreement.
- 6. Page down to read the entire License Agreement, then click Yes. If you still see the License Agreement, click Yes again. You see the User Information window
- 7. Enter your Name, your Company, and the Serial Number for the product. (The serial number is located on the software CD envelope.) You see the Destination path screen.
- 8. Accept the default destination path proposed by the setup program and click Next. You see the Select Program Folder screen.

- 9. Accept the default program folder as the location where the setup program will add WinDVR 5 icons, or enter the name of another folder. Then click Next. The setup program installs WinDVR 5, a process that can take a few minutes. When the installation is completed, you see the Setup Complete screen.
- 10. Click Finish. The installation is complete, and you can launch the WinDVR 5

Launching WinDVR

To launch WinDVR 5:

Click the InterVideo WinDVR 5 icon on your desktop. -or-Select Start | Programs | InterVideo WinDVR 5 InterVideo WinDVR 5.

Using the Main WinDVR Controls

Once WinDVR 5 is launched and active, you see the play window (top) and the player panel (bottom). Both have controls that you use to navigate.

Note that the available options depend on the source: RF/Coaxial, S-Video, DVD, CD, etc. If a WinDVR 5 feature is not available, it is grayed out and inaccessible. The illustration below shows key WinDVR controls

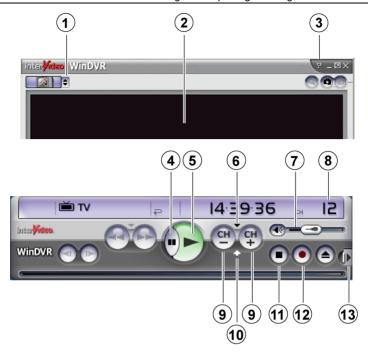


Figure 12: WinDVR play window and player panel

Main Play Window Controls

No.	Window Area	Function
1	Source	Selects the source for capture and playing: RF/Coaxial, Composite video, or S-Video.
2	Play window	Lets you view the current source material. Right-click here to see menu of options, including Setup.
3	Help	Shows controls and step-by-step operation.

Main Player Panel Controls

No.	Window Area	Functions
4	Pause •	Pauses video being played.
5	Play 🕑	Plays or resumes playing video.
6	Channel list 💌	Shows a complete list of available channels.
7	Volume	Controls the TV or playback volume.
8	Current	Displays the number of the current
	channel	channel.
9	Channel	Changes the channel up or down.
	up/down 🛱 🖳	
10	Previous	Jumps back to the previously selected
	channel	channel.
11	Stop 🔳	Stops recording.
12	Record	Starts recording. Red when recording.
13	Subpanel 	Shows choice of several subpanels and
		menus.

The illustration shows key WinDVR controls. For an explanation of all controls, select the WinDVR Help menu.

The WinDVR Subpanels

Most WinDVR 5 features are available through the subpanels. For more details about the subpanel selections, consult the WinDVR Help menu.

NOTE: The available subpanels and choices depend on the current source selected and on other parameters.

The next few pages are a tutorial showing how to set up WinDVR 5 for your TV or cable connection. You'll also learn how to use some of WinDVR's features to watch TV on your computer and record a program on your computer's hard disk for later viewing.

Choosing Your Setup

Setup and operation of the ConvertX PVR/WinDVR combination are different, depending on whether you have a) a TV antenna or analog cable that connects directly to your TV set, or b) a "set-top box" that connects your TV to a satellite dish, digital cable, or even analog cable.

With a set-top box, the box is on or near your TV set. And you normally leave your TV set to channel 3 or 4, and use the set-top box's remote control to change channels. (In some cases, analog cable also can use a set-top box.)

- If you have a TV antenna or analog cable that connects directly to your TV: Continue with "If You Have a Direct-Connected TV Antenna or Cable" below.
- If you have a satellite dish or cable with a set-top box: Go to "If You Have a Set-Top Box" on page 31 now.

If You Have a Direct-Connected TV Antenna or Cable

This section explains how to connect, set up, and use the Plextor PX-TV402U if you normally receive a TV signal directly from a TV antenna, or you receive analog cable TV without a set-top box.

Step 1: Make the Connections

To connect to the ConvertX PVR:

Connect the antenna or analog cable directly to the RF/Coaxial input connector of the ConvertX PVR, as shown in Figure 13.

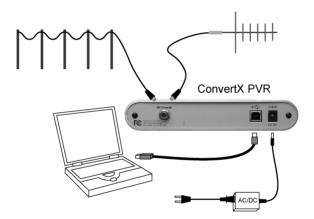


Figure 13: Direct connection to the video source

If you want to connect your analog cable or antenna to the ConvertX PVR and also to your TV at the same time, use a video splitter (available from all popular electronics stores).

Step 2: Set Up the Channels

To set up WinDVR for your TV source:

- 1. Ensure that a TV antenna or cable is connected to the PX-TV402U. Also, ensure the PX-TV402U is connected to your computer's USB port.
- 2. Launch WinDVR 5. (Select Programs | WinDVR 5 | WinDVR 5.) You see the WinDVR 5 main play window.
- 3. At the top left of the WinDVR main screen, click the Source button (the up/down arrows). You see a list of sources.
- 4. Choose the source to display. This should be the same source you have connected to the PX-TV402U. If you connected via the RF/Coaxial input connector, select ConvertX PVR PX-TV402U A/V Capture RF/Coaxial. (And if you connected via S-Video or Composite, choose the appropriate option.) If this is the first time you've selected this source, you'll see the Setup menu.

5. If you don't see the Setup menu right away, place your mouse in the main play window and right-click. You see the WinDVR main options menu.



Figure 14: Right-click in the middle of the play window to see the main options menu

6. Select Setup. You see the Setup tabs. If the TV tab is not already selected, click the tab to select it.

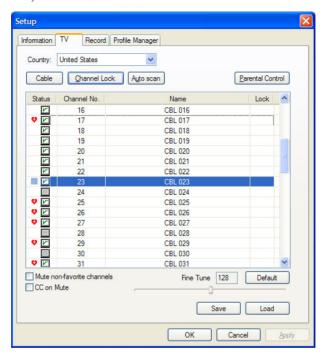


Figure 15: Click Auto scan to populate the list of TV channels. To deselect a channel as a favorite, double-click the heart left of the check box in the Status column.

7. In the TV tab, click the first button (it will be marked Cable or Antenna) until the button shows the appropriate signal source. Set the button to match the source that's connected to your ConvertX PVR: Antenna or analog cable. (If you have a set-top box from analog cable, digital cable, or satellite, see page 35.)

- 8. In the TV tab, select Auto scan. You see the list of channels populated one by one, as the tuner locates available channels. A check mark appears in the box next to any channel that is available.
 - You can let the full list be populated, or you can click Stop scan to halt scanning when you're satisfied all the channels you want to see are listed
- 9. When scanning is completed, click OK.
- 10. **Favorite channels**: By default, all available channels are favorite channels, shown in the left-hand column by a red heart icon with a plus symbol in it. (Favorite channels are those available in the channel list and the CH+ and CH- buttons in the main player panel.) To remove a channel from your favorite channels, click on the heart icon. To add it back, click again in the blank area at the far left end of the row.

Step 3: Use WinDVR to Change Channels

To use WinDVR to watch TV if you have an antenna or directconnected analog cable:

- In the player panel, use the CH+ and CH- buttons to navigate up or down through your favorite channels. (Only channels marked as favorite channels are displayed.) -or-
- Use the Channel List button to show the list of favorite channels, then choose one.

Save a List of Favorite Channels

To save a channel list:

- 1. In the play window, right-click, then select Setup. You see the Setup window
- 2. In the Setup window, select the TV tab.

- 3. In the TV tab, click the favorite channel icons (the red heart icons at the left of the Status column) to select or delete channels from the favorite channel list
- 4. To save this channel list, in the TV tab select the Save button and give the list a name (such as "Sports Channels" or "Financial Channels").
- 5. Select OK to complete the channel setup. You see the main WinDVR 5 window again.
- 6. In the main WinDVR window, use the CH+ and CH- buttons to move among the channels you have placed in your channel list. You should see TV programs playing on your computer screen, and hear andio

With your ConvertX PVR/WinDVR combination set up for viewing, you can begin using some of its other features. Go on to page 36.

If You Have a Set-Top Box

This section explains how to connect, set up, and use the Plextor PX-TV402U if you normally receive a TV signal from a set-top box. (Set-top boxes are provided with all digital cable TV and satellite dish installations, and also with some analog cable installations.) If you have a set-top box on or near your TV set, you normally leave your TV set to channel 3 or 4, and use the set-top box's remote control to change channels

Step 1: Make the Connections

To connect the set-top box to the ConvertX PVR:

- 1. Leave the cable or satellite dish connected to the input of the set-top hox
- 2. Connect the ConvertX PVR using one of the three illustrations below. For all of these configurations, you will use the set-top box remote to change channels.

S-Video connection: Use the S-Video cable to connect from the set-top box to the ConvertX PVR's front-panel S-Video connector, as shown in Figure 16. This provides the highestquality video.

To supply audio in this configuration, use the red and white composite audio cables to connect the Line Out or Audio Out connectors from the set-top box to the front-panel Audio L and R connectors of the ConvertX PVR

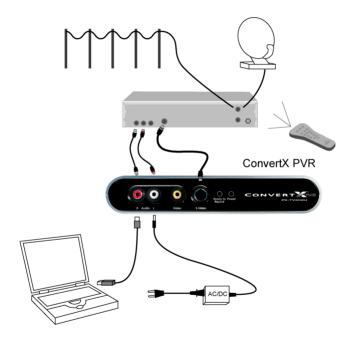


Figure 16: Connecting a set-top box using the S-Video connector

Composite video connection: Use the composite audio and video cables to connect from the set-top box to the ConvertX PVR's front-panel Video connector and Audio R and L connectors, as shown in Figure 17. This provides the nexthighest-quality video.

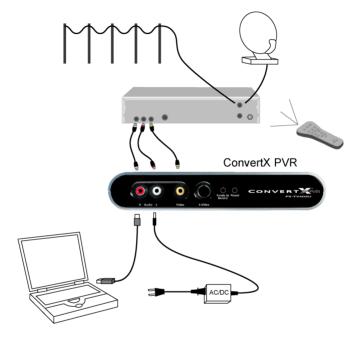


Figure 17: Connecting a set-top box using composite video

RF/coaxial cable connection: As shown in Figure 18, you can also use a coaxial cable to connect the RF output of the set-top box to the rear-panel RF/Coaxial input connector of the ConvertX PVR. This provides the lowest-quality video, but may be the most convenient option, especially if the set-top box is at some distance from your PC.

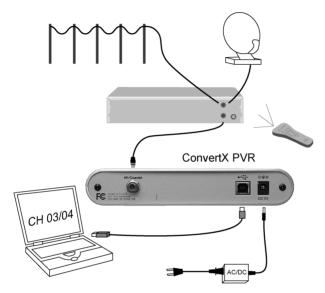


Figure 18: Connecting a set-top box to the ConvertX PVR's RF/Coaxial input connector

NOTE: For this configuration, you need to use WinDVR 5 to set the ConvertX PVR channel to 3 or 4, then use the set-top box's remote control to change channels for viewing or capture.

Step 2: Changing Channels with a Set-Top Box

To set up WinDVR for your set-top box:

- 1. Ensure that the set-top box is connected to the PX-TV402U. Also, ensure the PX-TV402U is connected to your computer's USB port.
- 2. Launch WinDVR 5. (Select Programs | WinDVR 5 | WinDVR 5.) You see the WinDVR 5 main screen
- 3. At the top left of the main play window, click the Source button (the up/down arrows). You see a list of sources.
- 4. Choose the source to display. For a set-top box, select the appropriate option (RF/Coaxial, S-Video or Composite, depending on how you have connected the ConvertX PVR to the set-top box).
- 5. If you are using a connection from the set-top box to the ConvertX PVR's RF/Coaxial connector, set the source to RF/Coaxial and set WinDVR to channel 3 or 4. See page 27 for a description of how to enable channels using WinDVR. (For S-Video or Composite, the channel changing buttons in the WinDVR player panel are grayed out.)
- 6. To change channels for viewing or capture, point your remote control at the set-top box and use it to change channels, just as you normally would.

HINT: For best results with a set-top box connected to the RF/Coaxial input, make sure during WinDVR setup that you select channel 3 or 4 as the only favorite channel. That way you cannot accidentally change channels to the wrong channel.

About IR Blasters

Third-party devices known as IR blasters are available to control set-top boxes. The current release of WinDVR 5 software does not support IR blasters.

Hints If You Don't See and Hear a TV **Display**

- Make sure you're using USB 2.0.
- Make sure you have selected the source (RF/Coaxial, S-Video, or Composite) that matches the physical connection to the ConvertX PVR
- Make sure the antenna or CATV input is securely fastened to the RF/Coaxial input connector.
- If you have a set-top box providing Composite or S-Video input to the ConvertX PVR, make sure the connections are securely fastened. Then use the set-top box's remote control to change channels on the set-top box.

Pausing While Viewing

WinDVR 5 has a time-shifting feature that allows you to pause and then replay live TV. You can take a break watching a live show, and pick up where you left off, or instantly jump back to live view.

NOTE: Pausing live TV only works when you have selected a DVD or VCD recording profile in the Recording tab. If you have selected DivX or MPEG-4, you cannot pause live TV.

To watch and pause live TV, always set the Recording profile to one of the DVD or VCD recording profiles. (To record a program, you can use any recording profile you like.)

To pause while viewing, then continue where you left off:

- 1. In the WinDVR 5 player panel, click the SubPanel button. You see a list of subpanels.
- 2. Select the Recording subpanel. You see the subpanel with recording options.

- 3. In the Recording subpanel select a Profile. This must be one of the DVD or VCD recording profiles.
- 4. Start watching a program normally. To pause the program you are watching, on the player panel click the Pause button (or press the spacebar on the keyboard).

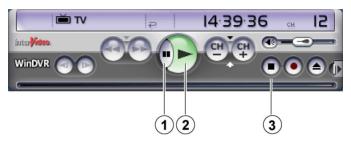


Figure 19: Click the Pause button (1) to pause a program, then the Play button (2) to see TV beginning where you left off, and finally the Stop button (3) to return to real-time TV again.

5. To resume watching TV, click the Play button \triangleright . You will appear to be watching live TV beginning where vou paused.

NOTE: When pausing video, the video is temporarily saved on your hard disk. The slider bar on the player panel indicates how much video is temporarily saved. You can skip to any place in the saved video.

6. To stop the time-shifted display and resume watching live video, click the Stop button on the play window.

Recording Programs

WinDVR 5 gives you several different ways to record programs. You can record a program manually, by using the Scheduler, or by using the electronic program guide (EPG).

Record Manually

To begin recording a program that you are watching:

- 1. In the WinDVR 5 player panel, click the SubPanel button . You see a list of subpanels.
- 2. Select the Recording subpanel. You see the subpanel with recording options.
- 3. In the Recording subpanel select the Profile, the Storage medium, and the Recording time.

NOTE: If you select an MPEG-4 profile, remember that the minimum CPU for using WinDVR in MPEG-4 mode is a Pentium running at 2.4 GHz.

- 4. On the player panel, click the Record button **2**. You see the Record button blink to indicate that your program is being recorded. The upper left corner of the player panel also shows how much time you can record on the remaining space on your hard disk.
- 5. To stop recording, click the Stop button on the player panel. You see a Save recorded file window, with a suggested location and filename. (The default filename shows the date and time.)
- 6. In the Save recorded file window, navigate to the desired folder and give the recorded file a name. Then click Save. Your file is saved for viewing at a later time.

Schedule a Recording

WinDVR lets you schedule a recording—for example, a TV program that you won't be around to watch until later. Here's an example of how to do it

To set up a scheduled recording:

- 1. In the WinDVR 5 player panel, click the SubPanel button . You see a list of subpanels.
- 2. Select the TV Control subpanel. You see the subpanel with TV control options.
- 3. In the TV Control subpanel select Scheduler. You see a Schedule window with a list of scheduled tasks
- 4. To create a new task, select Create. You see a Task window.
- 5. In the Task window, assign a Task Name, select the Task Type (viewing reminder or recording), select the Video Source (make sure it matches the cable connections to your PX-TV402U), and select the channel
 - If you have a set-top box, you must make sure the cable or satellite set-top box is set to the correct channel for recording at the time you want to record.
 - And if your set-top box is connected via the RF/Coaxial input connector, you must select channel 3 or channel 4 in the WinDVR Task window.

Then click Next. You see the Record settings window, where you can specify recording parameters and the destination.

- 6. In the Record settings window, specify the recording quality, where to record the program, and how long to record it. Then click Next. You see the Task Time window.
- 7. In the Task Time window, specify whether you want the recording to occur every day, once each week, or one time only. For one-timeonly recording, you specify the date and the start time. Then click Next. You see a message that the task has been added.

8. In the message window, click Finish. You see the Schedule window, with your task added to the window.

To make sure your program is recorded, you need to ensure:

- Your computer is on, and the WinDVR 5 icon is visible in the taskbar at the lower right of the Windows screen.
- The Plextor PX-TV402U is connected to your computer and to the antenna, cable, or satellite dish.
 - Finally, if you have digital cable or a satellite dish, make sure the set-top box is turned on and set for the correct channel to record your program at the desired time.

NOTE: WinDVR cannot change channels on digital cable or satellite TV set-top boxes. You must change channels using the remote control supplied with your set-top box.

If you schedule a recording using the Scheduler function, you must manually change the channel on your set-top box to the channel you want to record from. If you schedule multiple recordings, you must change the channel on your set-top box after every recording.

When the recording starts, the Record button on the player panel blinks on and off, and you see a display showing the amount of remaining space on your hard disk, and the remaining time of recording. The recorded file is placed in your My Videos folder, with the filename reflecting the name you chose for the task.

Playing a Recorded Video

To play a video you have recorded:

- 1. In WinDVR's main window, select the Source button , and choose Open File. You see an Open window, with your file listed.
- 2. Choose the file and click Open. You see the file in the WinDVR play window
- 3. In the WinDVR player panel, click the Play button to play the file.

To play a commercial or home movie DVD, you'll need to purchase InterVideo's WinDVD player or another DVD player.

EPG Recording

An electronic program guide, or EPG, is a web-based service that displays all the television and cable programs available, based on your type of TV service and your address. If your computer is connected to the Internet, WinDVR can connect to the free EPG service provided by TitanTV at http://www.titantv.com/.

Register for the EPG

Before trying to use the EPG in WinDVR 5, go to the TitanTV web site and register. Although the service is free, you must register and provide some information, including your address and the name of your cable or satellite provider. This allows the program guide to display whatever channels and programs are available in your area.

View the FPG

You can use the EPG function to create your own personalized program guide, and you can also schedule programs for recording.

To see program information:

- 1. Ensure your computer is able to connect to the Internet. You don't have to actually be connected; WinDVR 5 will make the connection to the TitanTV web site automatically.
- 2. In the WinDVR 5 player panel, click the SubPanel button . You see a list of subpanels.
- 3. Select the TV Control subpanel. You see the subpanel with TV control options.
- 4. In the TV Control subpanel select EPG. In the WinDVR 5 play window you see the TitanTV screen, with a list of programs for your area and cable or satellite provider.
- 5. To navigate through the EPG, use your mouse on the screen, or the buttons at the top of the play window.
- 6. To quit the EPG and return to viewing TV in WinDVR, select the Quit iEPG button at the top right of the WinDVR play window.

Set the PVR Device Preferences for Channel 3 or 4

Using the EPG to set PVR device preferences to channel 3 or 4 makes recording more convenient if you have a set-top box connected to the RF/Coaxial input connector. (If your source is Composite or S-Video. the ConvertX PVR is automatically set for the correct channel input from the set-top box. You don't need to perform this step.)

To set the PVR Device Preferences to channel 3 or 4 in TitanTV:

- 1. In the TitanTV screen, go to the My Account tab and select Edit PVR/Tuner Devices You see TitanTV's PVR/Tuner Device Preferences screen
- 2. In the Device Preferences screen, under PVR Settings: PVR Being Used, select WinDVR.
- 3. Under PVR Settings: Preferences, check Always use the following channel, and enter the channel number (3 or 4).
- 4. Select Save to save your settings.

Your ConvertX PVR is set to channel 3 or 4 for EPG recording.

Set Up an EPG Recording

To set up an EPG recording:

1. In the TitanTV program guide, find a program you want to record and drag your mouse over its title. You see a popup window appear with a menu of tasks



Figure 20: Drag your mouse over an EPG title to see the task menu

2. In the popup window, select Record. You see the Scheduler, with the new task automatically added.

Once the desired program is listed in the Scheduler, operation is the same as for any Scheduler recording:

- Your computer must be on.
- The WinDVR 5 icon must be visible in the taskbar at the lower right of the Windows screen
- The Plextor PX-TV402U must be connected to your computer and to the antenna, cable, or satellite dish.
 - Also, remember that if you have digital cable or a satellite dish. make sure the set-top box is turned on and set for the correct channel to record your program at the desired time.

WinDVR 5: Next Steps

In this chapter, we've just scratched the surface of the things you can do with the ConvertX PVR/WinDVR combination. For more details, consult WinDVR's help files. (Or go on to the next chapter to see how you can use WinDVD Creator 2 to make your own highly polished multimedia projects and presentations.)

For additional help and frequently asked questions (FAQs), see the Plextor web site at www.plextor.com. This site also has information on how to download the Plextor Go Cap application, which allows you to set many parameters that are not available in the bundled software. (Go Cap is not supported by Plextor technical support.)

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4. Capturing and Editing Video with WinDVD Creator

WinDVD Creator 2 software lets you capture video from a videocassette recorder, your camcorder, or any other analog source and feed it to the Plextor ConvertX PVR for conversion to digital video. WinDVD Creator also lets you edit that video: use it to create and share compelling presentations, complete with video, still photos, audio. onscreen titles: and more.

Installing the WinDVD Creator 2 Software

To install the WinDVD Creator video capture and authoring software:

- 1. Turn ON your computer system.
- 2. Make sure that all applications are turned off.

NOTE: If you have a previous version of WinDVD Creator, uninstall it before installing WinDVD Creator 2. (To uninstall, go to Start | Control Panel I Add/Remove Programs, select WinDVD Creator, and uninstall it and all its components.)

- 3. Insert the ConvertX PVR software disc into your CD or DVD drive. You see the Plextor Application Installer screen. (If you don't see the installer screen right away, use Windows Explorer to navigate to the CD or DVD drive, and double-click the Plextor.exe file.)
- 4. Select the WinDVD Creator button. You see the WinDVD Creator Setup screen.
- 5. Click Next. You see the License Agreement.
- 6. Read the License Agreement, then click Yes. Click Yes again. You see the User Information window
- 7. Enter your Name, your Company, and the Serial Number for the product. (The serial number is located on the software CD envelope.) Then select Next. You see the Destination path screen.

- 8. Accept the default destination path proposed by the setup program and click Next. You see the Select Program Folder screen.
- 9. Accept the default program folder as the location where the setup program will add WinDVD Creator's icons, or enter the name of another folder. Then click Next. The setup program installs WinDVD Creator, a process that can take a few minutes. (You may see a Third Party Application Setup window, asking if you want to install Microsoft HTML Help. Click Next to install Microsoft HTML Help.)
- 10. When the installation is completed, you see the Setup Complete screen, asking if you want to restart your computer now.
- 11. Remove any discs from their drives, then click Finish to restart your computer. When the installation is complete and Windows reboots, you see program icons in the Windows Start menu.

Starting Up

To launch WinDVD Creator 2:

• On the computer, go to Start | Programs | InterVideo WinDVD Creator 2 and select WinDVD Creator

When you start WinDVD Creator 2, you see the WinDVD Creator task window

NOTE: Do not start WinDVD Creator at same time as another capture application such as WinDVR.

Understanding the Task Window

You see the Task Window every time you start WinDVD Creator. This window lets you choose whether to create your own personalized DVD or CD project, or whether you simply want to capture compressed video directly to your hard disc or to a rewritable DVD.



Figure 21. WinDVD Creator task window

No.	Window Area	Function
1	Create new project	Brings up an Untitled WinDVD Creator main window for you to create a new project. See page 48.
2	Open existing project	Lets you bring up the WinDVD Creator main window with a project you've already begun. You see files with the .wcp extension. See page 54.
3	Create CD/DVD with existing video file	Lets you choose a video file, opens the WinDVD Creator Edit window, and places the video file in the media library. See page 54.
4	Capture video into hard disk	Lets you capture video directly from the ConvertX PVR into your hard disk. Brings up the WinDVD Creator Capture window. See page 50.
5	Record video directly to DVD disc	Lets you compress and record video onto a DVD disc in one step, without editing. Brings up the Disc Manager window. (Only available if you have a DVD+R/RW or DVD-R/RW drive.) See page 66.

Overview of Creating a Personalized CD or **DVD Disc**

When you open a new project or an existing one in WinDVD Creator, you see the main window, with areas for Preview, Media Library, and Story Board.

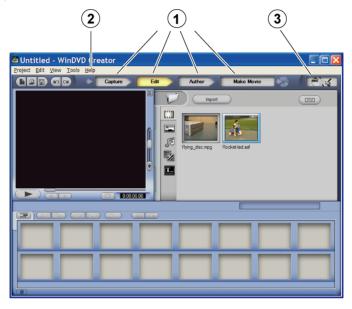


Figure 22: WinDVD Creator's main window

No.	Window Area	Function
1	Task buttons	Capture, Edit, Author, and Make Movie. These buttons lead you into the four steps you'll perform to create a CD or DVD.
2	Help	Click here to get help.
3	Disc Manager	Switch between project mode (shown here) and Disc Manager. (To show Disc Manager, you must have a DVD+R/RW or DVD-R/RW drive.)

- **Step 1. Capture**: First is the capture step. You take videos from your digital camcorder or VCR, or pictures from your Web camera, and either feed them directly to the ConvertX PVR or save them onto your computer for later use. If you do not need to capture any media content from your devices and already have the files on your computer, you can import the files from your hard drive in either Capture or Edit modes, by using the Import button in the Media Library.
- Step 2, Edit: Next is the edit step. In editing, you arrange your media content in the exact order you want the clips to be viewed. You can trim your media files to the desired length, add other images you want to the CD or DVD, and make video transitions to the next clip. You can incorporate audio from CDs, a microphone, or another source. You can also add titles to your video files, and you can embellish those titles with title effects
- Step 3, Create: The third step is to "author" the CD or DVD by adding menus and other interactive features with the Author button. Authoring adds the menus that allow viewers to interact with the CD or DVD on their computer or DVD player.
- Step 4, Share: Finally, the fourth step is to share your project by using the Make Movie button to burn it onto CD or DVD. You can burn using any one of several formats. At this time, you also indicate what type of TV system you use, and the name of your VCD or DVD. If you cannot burn your CD or DVD right away, you have the choice to either save the project or write the contents into a file for burning later.
- **NOTE**: The rest of this chapter is a tutorial that will get you started capturing, editing, creating, and sharing video and other content. It's not a complete reference. For more details on all the exciting features of WinDVD Creator, look in that application's Help menu.

Capturing

To display the Capture window:

- 1. Ensure that the input device (such as a camera, camcorder, video cassette recorder, etc.) is connected to your computer, and that the device is on
- 2. In the WinDVD Creator main window, click on the Capture button Capture Vou see the Capture window.

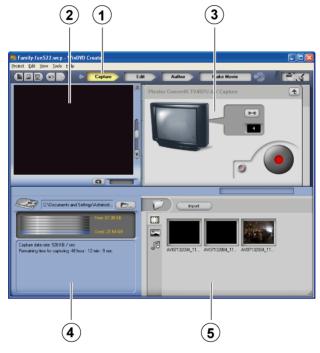


Figure 23: Capture window

No.	Window Area	Function
1	Capture button Capture	Displays the Capture window.
2	Preview window	Allows you to preview the media content that you capture from outside devices or that you import from files.
3	Input device list	Shows a list of input devices that connect to your computer. Those devices allow you to capture video from the Plextor ConvertX PVR, as well as from a television source, camera, or a digital camcorder. For each device, a control panel allows you to control the device.
4	Disk information	Displays the folder in which your media content is being saved. You can browse and change the folder where you are saving your files. This section also shows the amount of free space and used space on your hard drive, as well as the capture speed and the amount of time you have left to capture.
5	Media library	This is where all your video, image, and audio clips are categorized. Each of the files you have captured is placed into its own section of this library. For instance, if you capture a screen shot, it is sent to the Image Library. If you capture a video clip, it is sent to the Video Library.

Capture Video

To use the Capture window to capture video content:

- 1. To record video, make sure the TV, VCR, or other input device is connected to the ConvertX PVR, and use the device's controls to begin playing video.
- 2. From the device list on the top-right section of WinDVD Creator's Capture window, select the input device you are using. You see a control panel that allows you to control input from the device. (The control panel will be different depending upon which device you are using.)

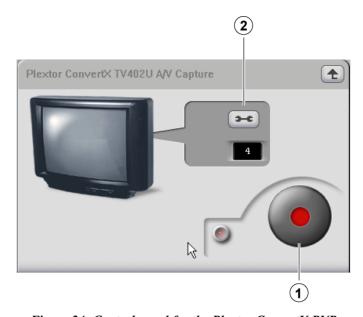


Figure 24: Control panel for the Plextor ConvertX PVR

No.	Window Area	Function
1	Record button	Starts and stops recording.
2	Configuration button	Displays the configuration window for this device.

- 3. In the control panel, use the configuration button to get to tabs and menus that let you change the settings for capture:
 - In the Record tab, select a Format and a Profile for capture. (For more information about the details of ConvertX PVR formats and profiles, see the Plextor web site at www.plextor.com.)
 - In the Device Control tab, select the Video Source (RF, S-Video, or Composite) you have connected to the ConvertX PVR. You can also select the Video Standard; set this to match the type of video that is coming into the ConvertX PVR. (In general, NTSC is the TV standard used in North America and Japan, while PAL is used in Europe and South America. SECAM is used in France. Eastern Europe, and some African nations.)
 - ☐ Use the Video Qualities tab to change the characteristics of the video you capture. (To begin, you can leave these characteristics set at their default values, and change them if your video is consistently too dark, too light, has too much contrast, etc.)
- 4. Press the Record button on WinDVD Creator's on-screen control panel. You see the video in the preview window. In the disk information area you can see the free and used areas of your hard disk changing as video is recorded.

IMPORTANT: If you don't seem to be getting any video in the preview window, make sure you have used the Device Control tab to select the same Video Source (RF. S-Video, or Composite) that matches the physical connection to the ConvertX PVR.

CAUTION: Do not attempt to launch other applications while capturing. Video data may be corrupted if CPU usage approaches 100 percent. When you have obtained the desired video, stop the recording by pressing the Record button again. Recording stops, and you see your video file in the media library (for video, this is the video library) located in the bottom-right section of the Capture window.

Editing

In this section of WinDVD Creator you can trim your project, and add music, titles, and transitions to make your project look fantastic.

To display the Edit window:

In the WinDVD main window, click on the Edit button _____. You see the Edit window.



Figure 25: WinDVD Creator's Edit window

No.	Window Area	Function
1	Edit button Edit	Displays the Edit window.
2	Preview window	View and listen to your media content. If your project is already arranged, you can preview it by pressing the Play button in the preview window. If you have already placed transitions into your storyboard, the preview window will also play them.
3	Media library	Stores all your files for easy access when you are adding them to your project.
4	Library buttons	Use to select a library: Video Library, Image Library, Audio Library, Transition Effects, and Title Effects.
5	Storyboard or timeline	Can either be a storyboard or a timeline. This window shows how your project will run. You drag and drop items from the libraries to here.
6	Storyboard/Timeline button 🖃	Switches between storyboard view and timeline view. In general, the storyboard view is for intermediate users, and the timeline view is for more advanced users.

To use the Edit window to edit your project:

- 1. From the Media Library at the top-right section of the Edit window, select one of the libraries: video, image, audio, transition effects, or title. You see that library.
- 2. From the library, select the file you want to use, and drag and drop the file onto the storyboard.
 - You can drag and drop a file anywhere on the storyboard.
 - To move one clip in front of another, just drag and drop the new clip in front of the current clip.
 - To rearrange the media clips, drag and drop clips until you are satisfied with the order

Adjust a Video Clip

To trim the length of a video clip:

1. In the timeline or storyboard at the bottom of the Edit window, select a video, then right-click. You see a pull-down menu with a selection for Video Manager.



Figure 26: Use sliders in Video Manager to trim video clips

No.	Window Area	Function
1	Sliders	Use to trim video to the desired length.
2	Video cut tool 🕠	Cuts video based on slider position.

- 2. Select Video Manager. You see the video cut tool and two sliders, one for the beginning position of the video and the other for the ending position.
- 3. Set the sliders, then click the video cut tool ut to trim the video clip to the desired length.

To divide a video clip into separate segments:

- 1. In the Edit window's video library, select the desired clip.
- 2. Right-click on the clip and select Show Video Scenes from the menu: or left-click on the clip, then click the Show video scenes button in the upper right corner of the video library. You see a window that lets you Auto Detect scene changes or make scene changes By Time.
- 3. Ensure Auto Detect is selected, then click the right Go arrow button **.** You see the clip automatically divided into several scenes according to changes in the video. This does not create new video clips, but only breaks the video into different segments.
- 4. To eliminate the divisions and merge the video sections into one clip again, click the Reset button.

Add and Adjust a Transition

To add a transition:

- 1. Browse through the Transition Effects library.
- 2. If desired, preview the transition by clicking on the Transition's icon
- 3. Click on a the desired transition, then drag and drop the transition to the desired location on the storyboard. You place transitions in between clips.
- 4. To adjust the length of the transition, right-click on the transition on the storyboard. You see a pulldown menu with a selection for Video Manager.
- 5. Select Video Manager. You see a slider for the transition. You also see a check box that lets you reverse the transition effect.
- 6. Adjust the slider for the amount of time you want the transition to take. To reverse the effect, put a check mark in the Reverse box.

Add Titles, Audio Effects, and Media Content

To add and adjust a title:

• From the Title Library, drag and drop a title to the desired location on the storyboard. Double-click on the title in the storyboard, then edit the title text. To format the title, select the text and change the color, alignment, and the font size as desired. Choose F to change the font, or C to change the color.

To add an audio effect:

 From the Audio Library, drag and drop an audio file onto an existing cell on the storyboard. You can also add audio recorded from a CD, or even record audio from a microphone.

To import more media content:

• In the Edit window, select the Import button, then select the desired files for importing. The files are automatically categorized as they are imported.

Preview Your Project

To preview your entire CD or DVD project:

• In the storyboard, select a scene where you want to begin the preview. Then in the Edit window's preview window, select the Play button . You see project played, so you can see if the video is playing properly and if the transitions and other effects are in the correct spots.

View File Properties

To view the file properties of the media content in your media library:

 In the Edit window, select the Media Library of your choice, rightclick on the file you choose, and select Properties from the pulldown menu.

Save Your Project

To save your project before continuing:

• Select the Project menu at the top of the window, then choose Save Project As, and enter the path and filename.

58 Plextor ConvertX PVR PX-TV402U Installation and Users Manual

Creating

Creating means using the Author window to add an interactive menu for your CD or DVD project. You can add a play button and a chapter menu for easy scrolling through your CD or DVD. You can also add a background image that can give a theme to your DVD.

To display the Author window:

In the WinDVD Creator main window, click on the Author button You see the Author window.



Figure 27: WinDVD Creator's Author window

No.	Window Area	Function
1	Author button	Displays the Author window.
2	Preview window	The top-left section of the Author window is the preview window. You can edit the theme here.
3	Theme library	The top-right section is the Theme Library. Here you can select a theme for your project. This section automatically adds a play button and a chapter menu to your project. When you double-click on a thumbnail of a theme, you see a preview in the preview window.
4	Chapter board	The bottom of the Author window is the Chapter Board. WinDVD Creator automatically creates a chapter for each cell. So the number of clips will determine the number of chapters unless you remove the chapter marks.
5	Text insertion	Click once to select text insertion mode, then put the cursor in the Preview window to add text to the menu.
6	Chapter mark	These mark the chapters of your project. You can add chapter marks or delete them.

Delete a Chapter Mark

To delete a chapter mark:

- 1. In the Chapter Board at the bottom of the Author window, right-click on the chapter you wish to remove. You see the Delete Chapter Mark text box
- 2. Click to delete the chapter mark.

When you remove a chapter mark from the chapter list, subsequent chapters are automatically reordered. If you want only a certain number of chapters in your project, just delete the chapter marks that you don't want

NOTE: Only the chapter mark is deleted. The file remains.

Whether or not there are chapter marks between clips, all clips remain where they are unless you choose to move or delete them.

Add a Chapter Mark

To add a chapter mark to a video clip:

Right-click on the clip and select Add Chapter Mark. This lets you recover if you accidentally delete a chapter mark that you wanted to keep.

Edit a Menu Theme

To edit a menu theme in your project:

- 1. In the Theme Library at the upper right of the Author window, browse through the library and find the best menu theme that will go with your project.
- 2. Double-click on the theme. You see the menu theme in the Preview window
- 3. In the Preview window, double-click on the menu theme to edit it. You can add music, change the background, move or change the buttons, and more.

To add text to the menu, select the text insertion button in the Chapter Board.

Sharing

This is the final step in making your DVD. This is where you select the Make Movie button and choose the format you want to use for your DVD project. You can choose what type of television standard to use, and you can supply a name for your DVD.

To display the Make Movie window:

In the WinDVD Creator main window, click on the Make Movie button You see the Make Movie window

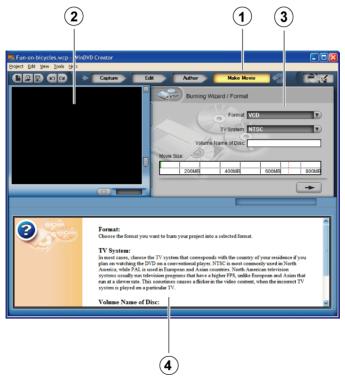


Figure 28: WinDVD Creator's Make Movie window

No.	Window Area	Function
1	Make Movie button	Displays the Make Movie window.
2	Preview window	The top-left section of the Make Movie window is the preview window. Here you preview your project as it is being burned, ensuring that it is properly displaying and playing.
3	Burning wizard	The top-right section is the Burning Wizard, which provides a step-by-step procedure for burning your project onto CD or DVD.
4	Help	The bottom of the window gives detailed help about the burning process.

Burn a Disc

To burn your project onto a CD or DVD disc:

- 1. Insert a blank CD or DVD disc in your CD or DVD drive.
- 2. In the Make Movie window's Burning Wizard, choose a Format for output. The formats are:
 - DVD (1 hour) and DVD (2 hour): High quality sound and video content, with a specified length of video content.
 - **DVD on CD HO**: High quality video and sound on a CD holding up to 650-700 megabytes.
 - **DVD on CD**: Compressed video and sound on a CD holding up to 650-700 megabytes.
 - **SVCD**: Holds up to a maximum of 650-700 megabytes of video content. A better version of VCD, SVCD is used primarily in European and Asian countries.
 - □ VCD: Video Compact Disc. Uses MPEG compression and can display full motion video and sound. Holds up to a maximum of 74 minutes or 80 minutes of video content on a 650- and 700megabyte CD, respectively.
- 3. In the Burning Wizard Format window, choose a TV System. The TV systems are:
 - NTSC: Most commonly used in North America and Japan.
 - PAL: Used in European and Asian countries.

- 4. In the Volume Name of Disc text field, enter the name for your disc.
- 5. When you have filled out the Burning Wizard/Format window, click the Next button . You see the Select Media window.

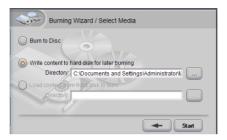


Figure 29: Selecting the media for burning

- In the Select Media window, choose how you want to burn your disc:
 - □ **Burn to Disc**: Burns the CD or DVD now. You see the Device Setting window. In this window you can choose the device (such as the Plextor PX-712UF or PX-712A DVD writer) you want to burn to, the speed of the burning, and the number of copies. Then press the Start button to begin recording.



Figure 30: Device Setting window

□ Write content to hard disk for later burning: Saves the project in a set of files on your hard disk, allowing you to burn the project at a later time. With this option, choose a location to save your project, then press the Next button →. The set of files and folders containing the project are automatically created on your hard disk, in a folder labeled IVI_DVD.

Load content from hard disk to burn: Allows you to load a set of project files that you have previously saved on your hard disk and burn the project now. To take a project you have burned to your hard disk and burn it to a DVD or CD: Go the Project menu and select Load image to burn. In the Burning Wizard you see that the Load content from hard disk to burn button is selected. Browse and select the IVI DVD folder, and press the Next button. You see the Device Setting window immediately. Choose the device you want to burn to, the speed of the burning, and the number of copies. Then press the Start button to begin recording.

When burning is done, the burned disc is ejected and you see a window indicating the burn process is complete.

Compression Options for Input and Output

Together, the ConvertX PVR and WinDVD Creator support many different MPEG-1, 2, and 4 and DivX compression profiles for incoming video. WinDVD Creator supports an expanded set of these formats for output, too. How much you can fit on a DVD or CD? Storage rates vary based on the capacity of the disc, frame size and selected resolution.

Save to a File

You don't need to save your project to a DVD or CD. You can simply save it to any of a host of file formats for sharing.

To save to a file, in WinDVD Creator go to Tools | Output to File and select a file format

You see a full list of the output file formats available with WinDVD Creator, as well as the parameters and details for all formats.

Disc Manager

Disc Manager lets you capture video directly onto a recordable DVD disc, without going through WinDVD Creator's main window.

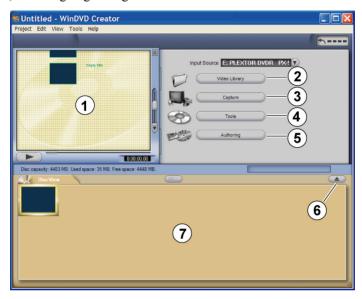


Figure 31. Disc Manager window

No.	Window Area	Function
1	Preview	View and listen to your media content.
	window	·
2	Video library	Import directly from the video library.
3	Capture	Capture video from external devices such
		as a camcorder or VCR.
4	Tools	Perform a quick format or a full format of
		the recordable or rewritable DVD disc.
5	Authoring	Select a background theme.
6	Eject	Ejects or loads the DVD±R/RW disc.
7	DiscView	Shows the contents of the disc.

Disc Manager is ideal for recording video directly from your TV set to a DVD, or for archiving videotapes in a one-step operation.

Capture Directly to a DVD Disc

You can capture video directly to a recordable or rewritable DVD disc. This is especially useful for capturing video using a digital video (DV) device, a capture card, or a web camera; or for copying VHS tapes to a DVD. With a DVD+RW or DVD-RW disc, use Disc Manager's DVD (VR) format for real-time recording.

NOTE: Commercially pressed DVDs are copy protected, so you can't record them.

To capture video directly to recordable or rewritable DVD disc:

- 1. Make sure you have a rewritable DVD drive (such as the Plextor PX-712A or PX-712UF) installed in or connected to your computer.
- 2. Launch Disc Manager by selecting it from the upper right corner of the WinDVD Creator main window (or from the Task Manager window). You see the Disc Manager window, with DiscView at the bottom
- 3. Insert a recordable or rewritable DVD disc into the drive. (Depending on your drive's capabilities, you can use a DVD+R or +RW disc, or a DVD-R or -RW disc.)
- 4. Click Yes to format the disc. (Always choose Yes if you are using an RW disc.) You see a choice of formatting options.
- 5. Choose a format option.
 - If you know the disc is blank, you can usually choose a quick format
 - If you know the disc has data on it, you'll need to erase it with a full format.

You can also give the disc a name. Then click OK. You see a message indicating the disc is being formatted, then a message indicating the disc is being loaded. Finally you see the Disc Manager window with a blank screen in the DiscView area at the bottom

- 6. Start the video source: camcorder, TV, videocassette player, etc., and in the Disc Manager window click Capture. You see the control panel for the capture device.
- 7. In the control window, use the configuration button **to** set the parameters for recording:
 - In the Record tab, select a Format and a Profile for capture. (For more information about the details of ConvertX PVR formats and profiles, see the Plextor web site at www.plextor.com.)
 - In the Device Control tab. select the Video Source (RF. S-Video or Composite) you have connected to the ConvertX PVR. You can also select the Video Standard; set this to match the type of video that is coming into the ConvertX PVR. (In general, NTSC is the TV standard used in North America and Japan, while PAL is used in Europe and South America. SECAM is used in France, Eastern Europe, and some African nations.)

NOTE: If you want to change the **output** format, go to Tools I Start-Up Wizard | Format and select NTSC or PAL. NTSC output is the default.

- You can use the Video Qualities tab to change the characteristics of the video you capture. (To begin, you can leave these set at their default values, and change them if your video is consistently too dark, too light, has too much contrast, etc.)
- 8. To record video, press the Record button on this device's onscreen control panel. During recording, you can see a counter showing the time of recording. You can also see a counter showing the remaining capacity of the disc.

IMPORTANT: If you don't seem to be getting any video in the preview window, make sure you have used the Device Control tab to select the Video Source (RF, S-Video or Composite) that matches the physical connection to the ConvertX PVR.

CAUTION: Do not attempt to launch other applications while recording. Video data may be corrupted if CPU usage approaches 100 percent.

- 9. To stop recording, press the Record button again. You see a window that indicates the disc content is being updated: then recording stops, and you see the Disc Manager preview window blank again.
- 10. You can continue recording and stopping, or you can simply let the entire video record onto the disc. The DiscView windows show the scenes on the disc. You can also use the Video Library button to import other video clips, and the Authoring button to bring a theme (double-click on the theme) as a background in the preview window.
- 11. If you are using an RW disc, when you are done recording, use the up arrow, then select Tools and Finalize.
- 12. Then use the Eject button to eject the disc. The recorded DVD is playable with WinDVR and on most modern commercial set-top DVD players.

WinDVD Creator 2: Next Steps

This chapter has shown some simple procedures for capturing, editing, creating and sharing your audiovisual creations. For more in-depth information, consult WinDVD Creator's Help files. And don't be afraid to experiment—you'll learn more by doing than any manual or help file could possibly teach you.

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5. Maintenance and Troubleshooting

This chapter explains maintenance and troubleshooting procedures for your ConvertX PVR. With proper maintenance, you can prevent problems. If trouble arises, you can often solve many simple problems on your own, rather than wait for assistance from a Plextor representative.

Upgrading Your ConvertX PVR

Periodically, Plextor makes available updates for the device driver and application software used with the ConvertX PVR. Before troubleshooting a possible problem with your personal video recorder. please make sure to visit our web site at www.plextor.com to make sure you have the latest ConvertX PVR software.

To obtain the latest operating program for your ConvertX PVR:

- 1. Go to the Plextor web site at www.plextor.com.
- 2. Look for the upgrade in the Support area, on the Downloads page. There is a description of the latest software program revision and its intended use
- 3. Download the program to the computer that you are using with the ConvertX PVR

To upgrade the ConvertX PVR operating program:

- 1. First, locate the executable file (it ends in ".exe") that you downloaded from Plextor's web site.
- 2. Run the executable file by using Windows Explorer to double-click on the file.
 - Accept all defaults by continuing to click on the Next button until you see a message indicating the update has completed.
- 3. Restart your system.

Troubleshooting Hints

Use these hints if you have problems with installation or capture.

Problems with Installation

If you have problems during or right after installation of your ConvertX PVR, use these hints to help solve the problem:

- First, make sure to update your version of Windows using Microsoft's Windows Update.
- To ensure the drivers load properly, start your computer before plugging the PX-TV402U to the USB port.
- Also, visit the Plextor web site to find other tips to help find and solve the problem.

Problems with Viewing

- Make sure you have the latest Windows service pack. Suggested service packs are:
 - □ Windows 2000: Service Pack 4
 - Windows XP (Home or Professional): Service Pack 1
- Pixel noise or skipping may occur if your PC does not meet the minimum specifications shown on page 73.
- The ConvertX PVR should be the only device on the cable. Do not connect to a USB hub.

Problems with Capture

- Make sure you are using a USB 2.0 connection. USB 1.1 is not fast enough to reliably capture video.
- You may need to shut down other applications while recording. Video data may be corrupted if CPU usage approaches 100 percent.
- Do not use a USB hard disk or optical disk drive (ODD) while capturing video.
- Do not start other applications while video capture is in progress
- Do not install other video capture devices on the same PC.
- Do not start WinDVD Creator and WinDVR at same time.
- Note that a TV signal that is too strong or too weak may affect capture.

Appendix A: Specifications

Product Name Plextor ConvertX PVR Personal Video

Recorder (PVR)

MPEG-1/2/4 and DivX Personal Video Product Type

Recorder

Product Model PX-TV402U

System Interface Hi-Speed USB 2.0

Minimum System Requirements

Computer PC/AT compatible

 Minimum: Pentium® III. 800-MHz CPU or faster: provides SIF size MPEG 1, 2. DivX

 Recommended: Pentium 4, 1.6-GHz CPU or faster: provides full D1 size MPEG-4 in WinDVD Creator

 Pentium 4. 2.4-GHz or faster CPU required for WinDVR 5 in MPEG-4 mode

NOTE: The PX-TV402U is not supported on hyper-threading, dual CPU, and Xeon systems. If using HTT, disable the HTT

function in the BIOS

Minimum Memory 256 MB or higher

Hard Disk Size 10 GB free space preferred

Interface Hi-Speed USB 2.0

Operating System Windows XP, 2000

File System FAT or NTFS (FAT 32 maximum file size is 4

GB. NTFS has no limit on file size.)

Minimum System Requirements (continued)

Video Graphics Card Windows-compatible 24-bit color resolution

> with DirectX support: AGP 4X 32MB video memory or faster with DirectX support

Sound Card Windows-compatible sound card with

48-kHz playback

CD Drives CD-ROM drive: For software installation.

CD-RW drive: Required to burn CDs or

VCDs

DVD+RW or DVD-RW drive: Required to

burn DVDs. CDs and VCDs.

DirectX Support DirectX 9.0b or later required (Provided on

the accompanying Plextor CD.)

Media Plaver Windows Media Player 9

Monitor Resolution: 1024 x 768, 24-bit color

Video Specifications

Video Compression MPEG-1: ISO/IEC11172-2

MPEG-2: ISO/IEC13818-2 MPEG-4: ISO/IEC14496-2

DivX: Home Theater, Portable, Handheld

profiles

Video Bit Rate MPEG-1: 1.09Mbps (CBR), SIF only

> MPEG-2: 2Mbps-6Mbps target bit rate (VBR) MPEG-4: 700Kbps-4Mbps target bit rate

(VBR)

DivX: 128Kbps-4Mbps (VBR)

NOTE: CBR = constant bit rate.

VBR = variable bit rate

MPEG Profile MPEG-2: Main Program @ Main Level

MPEG-4: Simple Profile @ L3

Video Specifications (continued)

Aspect Ratio MPEG-1: 1.0950 (NTSC), 0.9157 (PAL)

MPEG-2. 4. DivX: 4:3. 16:9 (All modes)

29.97 (NTSC), 25 (PAL, SECAM), Frame Rate 15 (DivX Handheld: NTSC/PAL)

Video Capture Size MPEG-1: SIF: 352 x 240, NTSC; 352 x 288, PAL (VCD)

MPFG-2:

- SIF: 352 x 240. NTSC: 352 x 288, PAL (EP)
- Half D1: 352 x 480, NTSC: 352 x 576, PAL (SP, LP)
- Full D1: 720 x 480. NTSC: 720 x 576, PAL (HQ, GQ)

MPFG-4:

- SIF: 352 x 240. NTSC: 352 x 288, PAL (LP, EP)
- Full D1: 720 x 480. NTSC: 720 x 576. PAL (HQ. GQ. SP)

DivX

- QSIF: 176 x 144, NTSC, PAL (Handheld)
- SIF: 352 x 240, NTSC; 352 x 288. PAL (Portable)
- Full D1: 720 x 480. NTSC: 720 x 576, PAL (Home Theater)

Audio Bit Rate

Bit rate for all profiles is MPEG-1 Layer II:

- 224 Kbps: MPEG-1, 2, 4, HQ, GQ, SP; DivX-HT. HTLP
- 128Kbps: MPEG-4 LP. EP: DivX Portable
- 64Kbps: DivX Handheld

Video Specifications (continued)

PCM (The capture application converts PCM Audio Compression

data to MPEG-1 Laver II)

MPEG-1: 44.1 kHz 16-bit stereo Audio Sampling

Frequency MPEG-2. MPEG-4. DivX: 48 kHz 16-bit

stereo

MPEG-1: System stream Multiplexing

MPEG-2, 4: Program stream

GOP Structure MPFG-1: IBP 15 frames

> MPFG-2: IBP 15 frames MPEG-4: IP 30 frames DivX: IP 30/15 frames

Video Input Signal NTSC. PAL. SECAM

Video Output Format NTSC. PAL

TV Tuner NTSC-M:

> VLF: 2~6. A-6~B VHF: 7~13. C~W+11 UHF: 14-69. W+12~W+29

Multiplex System BTSC (SAP)

TV Input Connector 75 ohm input, F type connector

Closed Caption VBI

TitanTV FPG

Front Panel

Audio R. I RCA audio connectors. Red connector is

right channel, white is left channel.

Video RCA video connector for composite video

S-Video S-Video connector

Ready to Record Amber when capturing (encoding) or

previewing video

Power Blue when AC adapter and USB cable are

connected to ConvertX PVR computer is on.

Rear Panel

RF In TV/CATV input connector.

USB 2.0 USB connector for USB 2.0.

DC 9V Connector for AC adapter

Power

AC Adapter Input: 100-240 Vac

Output: 9.0 Vdc (13.2 Vdc max), 1.0 A max.

CAUTION: Use only the AC adapter shipped

with your ConvertX PVR.

Host Interface

USB Connector B Type

USB 2.0 transfers 480 Mbps max (Hi-Speed)

Dimensions and Weight

Dimensions (W/H/D) 184 mm (W) x 32.4 (H) mm x 155 mm (D)

7.24" x 1.28" x 6.10"

Weight 550 q (1.21 lb) **Environmental Conditions**

Operating and 5 to 40 degrees Celsius

Performance Guarantee

Temperature

Operating Humidity 20% to 80% (non-condensing)

Storage Temperature -40 to 60 degrees Celsius

Storage Humidity 20% to 80% (non-condensing)

Vibration, Operating 2.0G_{0-Pk} (5-300Hz), Sine sweep 5 minutes

(Normal operation)

Shock, Operating 3.0G_{0-Pk} (5-300Hz) 11msec,

Sine sweep 10 sec interval

(Normal operation)

Electrostatic Discharge ±8KV aerial discharge

> ±4KV contact discharge (Normal operation)

External Pressure

(Ambient Air)

50n (No damage)

Unimpeded Drop Height 5cm (Normal operation)

Operating Position Horizontal ± 15 degrees

Approvals, Safety and EMC Standards

Country/ Region	Type	Agency	Standard
USA	Safety	UL	UL 60950 (AC adapter only)
	EMC	FCC	Part 15J Class B
Canada	Safety	UL (C-UL)	CSA C22.2 No. 60950 (AC adapter)
International		USB-IF	USB-IF (USB Implementers Forum)
		WHQL	Microsoft Windows Hardware Qualifying Labs

Appendix B: Technical Support

Store Plextor's e-mail, web site, phone, and fax numbers in a convenient location. Keep your personal video recorder's serial number and a copy of your sales receipt handy as well.

If you experience a problem while installing or operating your ConvertX PVR, please refer first to the relevant sections of this manual regarding setup and installation (Chapters 1–2). If you do not uncover the solution there, then refer to the maintenance and troubleshooting chapter that begins on page 71. You may also wish to visit the Frequently Asked Ouestions (FAO) section of our web site to assist you in troubleshooting the problem on your own.

NOTE: We encourage you to go the Plextor web site (www.plextor.com) before attempting to contact Technical Support. The answers to the most common questions callers ask can be found quickly in the support area. Select PlexHelper for online troubleshooting or FAQs for common questions.

If you have not been successful in your quest, our Technical Support Department will help you solve problems that relate specifically to your ConvertX PVR. In many cases, a problem that appears to be caused by your ConvertX PVR actually originates in another part of your computer. In such instances, our technical support staff will try to help you identify the part at fault and will refer you to the manufacturer of that part for further assistance.

How to Contact Plextor Technical Support

There are several ways for you to contact Plextor's Technical Support Department:

- Visit our web site (www.plextor.com) for answers to Frequently Asked Ouestions.
- Send us e-mail at techsupport@plextor.com. Include your telephone number and the hours during which you can be reached. Be as detailed as possible in describing your problem. Please include system configuration, hardware and software, as well as versions of personal video recorders used.
- Call 800-886-3935 and select the tech support option.

Before You E-mail/Log On/FAX/Call

Please gather as much of the following information as possible before contacting us.

- The serial number and TLA number of your ConvertX PVR. Your serial number can be found on the label on the personal video recorder itself. The TLA number appears on the label at the rear of the personal video recorder.
- The latest version of the operating program you loaded onto the personal video recorder, if applicable.
- The version of the Windows operating system you are using.
- The brand name and model number of your computer (e.g., Dell 466/NP, Hewlett-Packard Pavilion 752n, etc.).
- The type of VGA, Super VGA, or other graphics board you use.
- Brand name and model number of any other peripherals you have installed or connected to your computer (e.g., CD-ROM, scanner, fax board, network board).

Returns

In the unlikely event that you need to return a personal video recorder to Plextor, you need an RMA (Returned Materials Authorization) number. You need this number before any Plextor personal video recorder can be returned for repair or replacement. Here's how you get an RMA number and return your personal video recorder:

- 1. Contact Plextor Technical Support. You will receive assistance in troubleshooting your system. If the ConvertX PVR is determined to be defective, you will receive a Tech Support Ticket Number.
- 2. Locate the RMA request form at: https://www.plextor.com/english/support/rma request form.htm. Complete the form, providing the Technical Support Ticket number and details of the ConvertX PVR failure. After completing the form, click the Submit button.

IMPORTANT NOTE: The RMA form will not be processed without the Tech Support Ticket Number.

- 3. Plextor will then return the RMA form to you via e-mail, with the RMA number and shipping information included.
- 4. When you receive the RMA number, pack the Plextor ConvertX PVR securely in a box, and include the RMA form as a packing slip.
- 5. Write the RMA number in large letters on the outside of the box, and ship the box and the ConvertX PVR to Plextor.

Contacting Plextor's RMA Department

You can contact our RMA Department and request RMA forms at:

- rmasupport@plextor.com
- Or by fax at 510-651-9765
- Or by calling us at 800-886-3935

Packing Your ConvertX PVR

If possible, pack your ConvertX PVR in the original box. Some of our customers have not held on to their boxes and have had to resort to lessthan-secure methods to get their units back to us.

If you did not receive a box, we recommend you pay a packaging store (such as Mail Boxes Etc.) to ship your ConvertX PVR. If you don't have a packaging store in your area, ask for packaging pointers when you contact us to get an RMA number before returning any personal video recorder

Shipping Your ConvertX PVR to Plextor

Be sure to write the RMA number on the outside of the shipping box. Any unit sent to Plextor without an RMA number will not be accepted.

NOTE: The RMA number must be clearly visible on the outside of the shipping box.

ConvertX PVR units must be sent postage prepaid. We recommend that you insure your shipment, as Plextor cannot be held responsible for any damage that may occur during shipment.

Appendix C: Warranty

PLEXTOR CORP. ("Plextor") warrants your ConvertX PVR PX-TV402U Personal Video Recorder against any defect in material and workmanship, under normal use, for a period of one year following its date of purchase. In the event this product is found to be defective within the warranty period, PLEXTOR will, at its option, repair or replace the defective unit.

This warranty is void: a) if the unit is operated or stored under abnormal use and maintenance conditions; b) if the unit is repaired, modified or altered, unless such repair, modification or alteration is expressly authorized in writing by PLEXTOR; c) if the unit is subjected to abuse, neglect, lightning strike, electrical fault, improper packaging, or accident: d) if the unit is installed improperly; or e) if the serial number of the unit is defaced or missing.

PLEXTOR will not, under any circumstances, be liable for direct, special, or consequential damages such as, but not limited to, damage or loss of property or equipment, loss of profits or revenues, cost of replacement goods, or expense or inconvenience caused by service interruptions. Under no circumstances will any person be entitled to any sum greater than the purchase price paid for the unit.

To obtain warranty service, you must contact PLEXTOR's Technical Support Department by calling 800-886-3935. They will attempt to diagnose and correct your problem by phone. If the unit does not function properly, they will issue a Tech Support Ticket number to be used on your RMA return request. You may be asked to furnish proof of purchase to confirm that the unit is still under warranty.

All product returns must be authorized in advance by PLEXTOR's RMA Department. Authorization is confirmed by issuance of the RMA number, which must be written prominently on the outside of the box in which the defective unit is returned to PLEXTOR

All ConvertX PVR units returned to PLEXTOR must be securely packaged and shipped postage prepaid.

The ConvertX PVR will be returned to the customer at Plextor's expense when originating within the United States. For a ConvertX PVR originating outside of the United States, the customer is responsible for shipping costs in both directions.

NOTE: Warranty validity is limited to that applicable in the location where the ConvertX PVR was originally purchased.

If You're Outside the U.S. or Canada

Note that the warranty and RMA policy only apply to the United States and Canada. If you are in South America, contact your dealer or reseller for all warranty and RMA claims.

Index

В

.wcp files · 47	box contents of · 4
A	shipping · 81, 82
ac adapter · 4 connecting · 6, 15 power · 77 add chapter mark · 61 adding menus · 49 air pressure specification · 78 antenna connection changing channels · 30	burn to disc · 64 burning CD · 63 device setting window · 64 DVD disc · 63 options · 64 select media window · 64 burning wizard · 63
setting up channels for · 27 to ConvertX PVR · 18, 26, 31	\overline{C}
application installer screen · 10 aspect ratio · 75 audio adding · 58 bit rate · 75 compression · 76 connector · 5, 19, 33, 77 sampling rate · 76 audio library · 58 audio source, connecting to ConvertX PVR · 19, 32, 33 author button · 49, 59, 60 author window · 59 area functions · 60 chapter mark · 60 text insertion · 60 authoring Disc Manager · 66 process · 59	cable TV, analog changing channels · 30 connecting to ConvertX PVR · 26 setting up channels · 27 cable TV, digital connecting to ConvertX PVR · 18, 31 capture · 49 copy protection and · 72 Disc Manager · 66 don't launch other applications · 53, 72 media · 50 size · 75 to hard disk · 47 troubleshooting · 72 video · 51 capture button · 50, 51 capture format, selecting · 53, 68 capture profile, selecting · 53, 68

capture window · 50	rear-panel · 6, 77
CD	ConvertX PVR
burning project on · 49, 63	controls · 5
capacity · 65	front panel · 5
overview of creating · 48	no power switch · 16
CD-ROM drive required · 3, 74	recognizing in Windows · 17
CD-RW drive recommended · 4	copy protection · 72
changing channels	current channel button · 24
antenna or analog cable · 30	
set-top box · 35	D
channel list button · 24	D
channel list, saving favorites · 30	DC 9V connector · 6, 77
channel up/down buttons · 24	delete chapter mark · 61
chapter board · 60	device driver, installing · 9
chapter mark	device manager button · 17
adding · 61	device setting window · 64
author window · 60	digital cable, connecting to
deleting · 61	ConvertX PVR · 19, 31
composite audio cable · 4, 20, 32,	dimensions · 77
33	DirectX
composite video · 3	installation · 11
connecting · 20, 33	supplied on Plextor CD · 3
selecting · 35, 68	support required · 3, 74
composite video cable · 4, 20, 33	Disc Manager · 47, 48, 66, 67
compression	choosing capture format · 53
options · 65	counters · 68
specifications · 74	DiscView · 69
types · 7	formatting DVD R/RW disc · 67
computer, required · 3, 73	requires DVD±R or ±RW disc ·
configuration button · 52	66
configuration, minimum · 3, 73, 74	selecting capture profile · 53
connecting video and audio	selecting same video source as
sources · 19, 31	physical connection · 68
connections	selecting video qualities · 68
antenna or analog cable · 26	selecting video source · 68
digital cable or satellite dish · 31	selecting video standard · 68
connector	disc, finalizing · 69
DC 9V · 6, 77	DiscView · 66, 69
RF/Coaxial input · 6, 76, 77	disk information · 51
USB 2.0 · 6, 77	$DivX \cdot 2, 7, 74$
connectors	Handheld profile · 74
front-panel · 5, 77	Home Theater profile · 74

Portable profile · 74 drivers, installing · 15 drop height specification · 78 DVD burning project on · 49, 63 capacity · 65 overview of creating · 48 video recording · 63 DVD on CD format · 63 DVD on CD HQ format · 63 DVD±RW drive recommended · 4, 74	file formats · 65 .wcp · 47 file properties, viewing · 58 file system required · 3, 73 finalizing DVD RW disc · 69 format DVD · 63 DVD on CD · 63 DVD on CD HQ · 63 SVCD · 63 video CD · 63 format window · 63 formatting DVD R/RW disc · 67
E	frame rate · 75
_	front-panel
edit button · 49, 54, 55	connectors · 5, 77
edit window · 55 areas · 54	controls · 5 indicators · 5
editing · 49, 54	functions, window area · 62
eject, Disc Manager · 66	ranctions, window area 02
electronic program guide · 41, 76	\overline{G}
digital cable or satellite dish and	
· 43	generating output · 62
registering for · 41	go arrow button · 57
scheduler and · 42	Go Cap · 43
setting device preferences with · 42	GOP structure · 76
viewing · 41	
electrostatic discharge	H
specification · 78	Handheld profile, DivX · 74
EMC standards · 78	hard disk size · 3, 73
environmental conditions · 78	help
	make movie window · 63
\overline{F}	WinDVD Creator · 48
FAT file system · 3	WinDVR · 23 Home Theater profile, DivX · 74
FAT 32 file size limit · 73	host interface · 77
favorite channels · 30	humidity specification · 78
saving · 30	namuny speemennen , e
features · 2, 5	<i>T</i>
adding interactive · 49	1
adding to bundled software · 43	image library · 51

import button · 49, 58	menu theme, editing · 61
importing media · 58	menu, adding · 49, 59
input	minimum configuration · 3, 73, 74
connectors · 19	monitor required · 3, 74
device list · 51	MPEG
installation	profile · 74
ConvertX PVR · 9	specifications · 74, 75, 76
failed · 16	MPEG-1 · 2, 7, 74
launching manually · 16	MPEG-2 · 2, 7, 74
troubleshooting · 72	MPEG-4 · 2, 7, 74
WinDVD Creator · 45	multiplex system · 76
WinDVR · 21	multiplexing · 76
interface · 73	1 0
host · 77	\overline{N}
system · 73	I V
ŬSB 2.0 · 3, 77	NTFS file system · 3, 73
IR blaster · 35	NTSC · 63, 75
K	0
A	U
KB822603 Windows XP update · 9	operating position · 8, 78
	operating system
<u></u>	operating system required · 3, 16, 73
L	
L library · 51	required · 3, 16, 73
library · 51	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while
library · 51 library buttons · 55	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72
library · 51	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while
library · 51 library buttons · 55 list of input devices · 51	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62 manual TV recording · 38	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37 pausing while viewing TV · 36
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62 manual TV recording · 38 media capturing · 49, 50	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37 pausing while viewing TV · 36 play button WinDVD Creator · 55 WinDVD Creator preview · 58
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62 manual TV recording · 38 media	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37 pausing while viewing TV · 36 play button WinDVD Creator · 55
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62 manual TV recording · 38 media capturing · 49, 50	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37 pausing while viewing TV · 36 play button WinDVD Creator · 55 WinDVD Creator preview · 58
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62 manual TV recording · 38 media capturing · 49, 50 editing · 49 importing · 58	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37 pausing while viewing TV · 36 play button WinDVD Creator · 55 WinDVD Creator preview · 58 WinDVR · 24, 37 play window, WinDVR · 23
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62 manual TV recording · 38 media capturing · 49, 50 editing · 49 importing · 58 media library · 51, 55	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37 pausing while viewing TV · 36 play button WinDVD Creator · 55 WinDVD Creator preview · 58 WinDVR · 24, 37 play window, WinDVR · 23 player panel, WinDVR · 24
library · 51 library buttons · 55 list of input devices · 51 load content from hard disk · 65 M maintenance · 71 make movie button · 49, 62, 63 make movie window · 62 manual TV recording · 38 media capturing · 49, 50 editing · 49 importing · 58	required · 3, 16, 73 updates · 4, 9 optical disc drive, don't use while capturing · 15, 72 options, burning · 64 P packing for shipment · 82 PAL · 63, 75 pause button · 24, 37 pausing while viewing TV · 36 play button WinDVD Creator · 55 WinDVD Creator preview · 58 WinDVR · 24, 37 play window, WinDVR · 23

Plextor.exe file · 10, 11, 16, 45 Portable profile, DivX · 74 power indicator · 5, 16, 77 power specifications · 77 precautions · 8 preview window · 51, 55, 60, 63 Disc Manager · 66 previewing a project · 58 previous channel button · 24 product model · 73	scheduled TV recording · 39 digital cable or satellite dish · 39 EPG · 42 scheduler · 39 digital cable or satellite dish · 39 EPG and · 42 select media window · 64 serial number WinDVD Creator · 45 WinDVR · 21 setting PVR for channel 3 or 4 · 34,
R	35, 39, 42
ready to record indicator 5 77	setting up channels
ready to record indicator · 5, 77 rear-panel connectors · 6, 77	antenna or analog cable · 27 set-top box and RF/Coaxial
record button, WinDVD Creator	connection · 34, 35, 39, 42
52, 53, 68	set-top box
record button, WinDVR · 24, 38	connecting · 19, 31
recording subpanel · 38	connecting to RF/Coaxial input
recording TV	connector · 34
manual · 38	scheduled TV recording and · 40
scheduling · 39	setting up channels for
scheduling with EPG · 42	RF/Coaxial connection · 34,
recording video	35, 39, 42
directly to hard disk · 47, 66, 67	setup window · 29
don't launch other applications ·	sharing project · 49, 62
68	shipping your drive · 81, 82
WinDVD Creator · 50	shock specification · 78
registration · 16	show video scenes button · 57
reset button · 57	slider · 56
returns · 81	transition · 57
RF/Coaxial input connector · 6, 18,	software
34, 76, 77	obtaining · 71
RMA number · 81, 82	upgrading · 71
	WinDVD Creator · 3, 4, 45
\boldsymbol{S}	WinDVR · 2, 4, 21
safety standards · 78	sound card required · 3, 74 source button · 23, 27, 35
satellite dish, connecting to	specifications · 73
ConvertX PVR · 18, 19, 31	splitter · 26
saving to file · 65	startup, WinDVD Creator · 46
saving your project · 58	stop button, WinDVR · 24, 37, 38
	, , , , , , , , , , , , , , , , , , , ,

transition icon · 57 troubleshooting · 18, 71 hints · 72 WinDVR · 36 TV connecting to ConvertX PVR · 18, 26 pausing while viewing · 36 using splitter · 26 TV control subpanel · 39 TV systems NTSC · 63
PAL · 63 TV tuner · 2 specifications · 76
U upgrading software · 3, 71 USB 2.0 · 73 transfers · 77 USB 2.0 connector · 6, 77 USB cable · 4 connecting · 15 USB hard disk, don't use while capturing · 15, 72 USB hub, don't use · 15, 72
V
VBI · 76 VCD · See video CD vibration specification · 78 video bit rate · 74 compression · 74 connector · 5, 19, 20, 33, 77 format · 76 input · 19 output format · 76 playing with WinDVR · 40 quality · 20, 33

recording · 53, 68 recording in WinDVD Creator · 50 video CD · 7	author window · 59 capture window · 50 capturing media · 47, 50 choosing capture format · 53, 68
format · 63	creating a CD · 48
video clip	creating a DVD disc · 48
adjusting · 56	Disc Manager · 66
dividing into separate segments	edit window · 54
· 57	editing with · 54
using sliders to trim · 56	installing software · 45
video cut tool · 56	make movie window · 62
video graphics card required · 3, 74 video library · 53	recording direct to hard disk · 47, 66, 67
video library, Disc Manager · 66	saving your project · 58
video manager · 56, 57	selecting capture profile · 53, 68
video qualities, selecting · 53, 68	selecting capture profile 35, 66
video source	physical connection · 53
connecting to ConvertX PVR ·	selecting video qualities · 53
19, 32, 33	startup · 46
selecting · 68	task window · 46
selecting same as physical	using with ConvertX PVR · 45
connection · 36, 53, 68	video library · 53
video standard, choosing · 68	WinDVR · 2, 21
viewing TV, troubleshooting · 72	controls · 22
volume, WinDVR · 24	help menu · 24
	installing software · 21
W	launching · 22
n .	play window · 23
warranty · 3, 83	player panel · 24
weight · 77	selecting same video source as
Windows 2000 updates · 4, 9	physical connection · 36
Windows XP updates · 4, 9	serial number · 21
Windows, recognizing ConvertX	troubleshooting · 36
PVR in · 17	write content to hard disk · 64
WinDVD Creator · 3	

Index

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